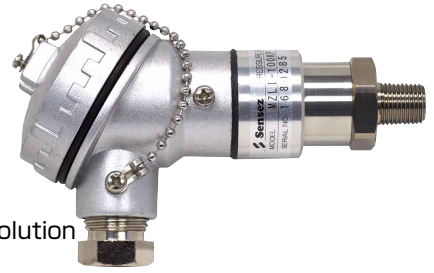




MZLI

Features 1. Terminal box type 2. Titanium welded structure

- Terminal box type of the "ZL series" pressure sensor with a welded structure
- Outdoor specification / Waterproof IP67 structure
- The wetted part is entirely made of titanium that has high corrosion resistance.
- Support of a wide range of pressure media such as seawater, gas, and medicinal solution
- Output signal of 4 to 20 mADC from a built-in amplifier circuit

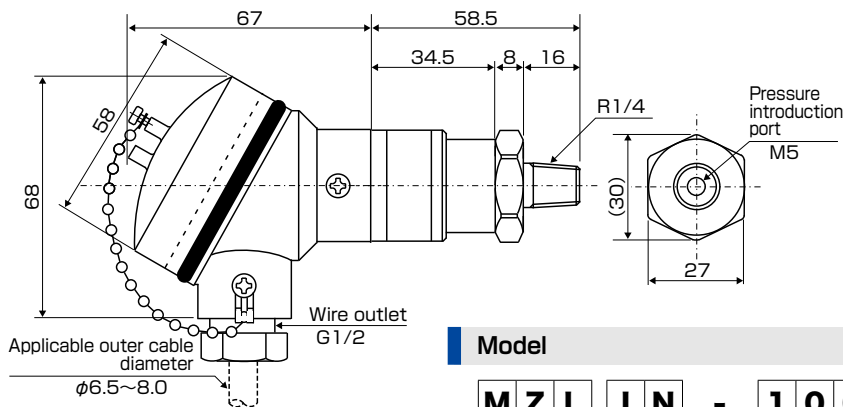


Specifications

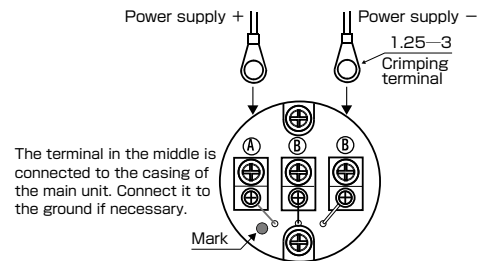
Model	MZLI						
	N-100KP	-020KP	-050KP	-100KP	-300KP	-500KP	-001MP
Rated pressure * 1	0 to -100kPa	0 to 20kPa	0 to 50kPa	0 to 100kPa	0 to 300kPa	0 to 500kPa	0 to 1MPa
Pressure type	Gauge pressure * 2 * 3						
Overpressure	150% of the rated pressure						
Wetted part material	Diaphragm : Titanium Pressure port : Titanium						
Sealing liquid	Silicone oil						
Applicable media	Gas and fluid (media not damaging the wetted part material)						
Power supply	12 to 28VDC						
Output	4 to 20mADC						
Load resistance	600 Ω以下 (at power of 24 VDC)						
Responsiveness	5msec or less						
Accuracy (linearity)	± 0.5% F.S. or less * 4 (± 0.3% F.S. or less)						
Temperature characteristics	± 0.05% F.S. / °C or less (0 to 60°C)						
Compensated temperature range	0 to 60°C						
Operating temperature range (Measurement medium temperature)	- 20 to 80°C (no freezing allowed) - 20 to 100°C (no freezing allowed)						
Operating humidity range	35 to 85% RH (no dew condensation allowed)						
Pressure connection port	R1/4						
Terminal box	Material : Aluminum die casting						
Wire outlet	G1/2 Applicable outer cable diameter : φ 6.5 to 8.0						
Structure	IP67						
Insulation resistance	100M Ω or more / 500VDC						
Withstand voltage	500VAC, 1 minute						
Vibration resistance	98.1m / s ² , 2 hours (X, Y, and Z directions)						
Weight	Approx 260g						
Impact of mounting orientation (port orientation changed from downward to sideways)	+ 0.1% F.S.	+ 0.5% F.S.	+ 0.3% F.S.	+ 0.1% F.S.			

* 1. We also manufacture compound pressure sensors (gauge pressure of 500 kPa or less).
 * 2. Make sure that the operating vacuum pressure is 10 kPa abs or more. (Operating temperature range: 0 - 60°C)
 * 3. Use a wiring cable for atmospheric pressure correction.
 * 4. We also manufacture high-accuracy pressure sensors (accuracy: ± 0.25% F.S. or less).

Dimensions (Units : mm)



Internal terminal block / wires



Model

M Z L I N - 1 0 0 K P

- Type Output mode Special Pressure range Unit of pressure
 I : Current Space : Positive pressure KP : kPa
 N : Negative pressure MP : MPa
 C : Compound pressure